

# PATENT ABSTRACTS OF JAPAN

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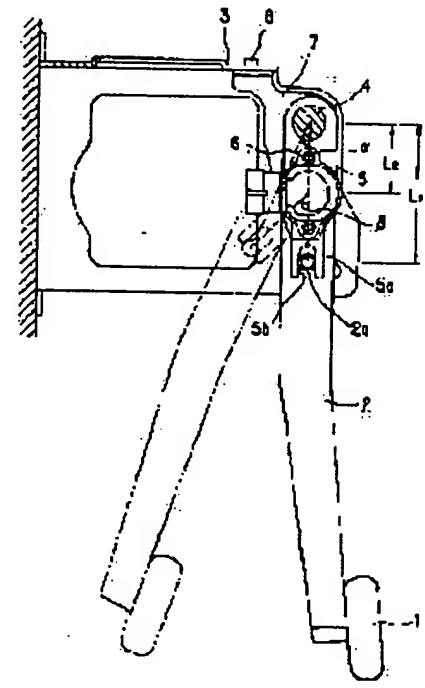
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## (54) ANGLE DETECTING APPARATUS

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an angle detecting apparatus at a low cost in which position adjusting work in a stage of fixing is easy, a rotation angle of a lever to be detected like a pedal arm can be precisely detected, and unit constitution is unnecessary.

**SOLUTION:** This detecting apparatus is equipped with a support shaft 4 fixed to a frame 3, a lever 2 to be detected which is pivotally fixed to the support shaft 4, an angle sensor 5 which has a pivoting part 5a engaged with the lever 2 and driven pivotally and can detect a rotating angle of the lever 2, a bracket 7 which mounts the sensor 5 and is fixed to the support shaft 4 pivotally, and an adjusting means of screws 8, 9, etc., capable of changing the fixing attitude of the bracket 7 to the support shaft 4. The bracket 7 set in a specified fixing attitude by the adjusting means is fixed to the frame 3. Thereby the interval between the angle sensor 5 mounted on the bracket 7 and the support shaft 4 can be previously regulated with high precision. By adjusting the fixing attitude of the bracket 7 to the support shaft 4, the pivoting part 5a of the angle sensor 5 can be arranged at a desired initial position.



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